

Online Web Resources for the Classroom

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Online Web Resources for the Classroom

Interactive White Board Lessons/Support

SMARTBoard Lessons Podcast

The purpose of this site is to accompany a free podcast that focuses on using SMART Boards in the classroom. Each episode features a lesson, a podcast, and user comments. The hosts, Joan Badger and Ben Hazzard, have been recognized as Canadian & International Innovative Teachers by Microsoft, SMART Exemplary Educators, Peer Educators, Tradeshow Teachers, and Conference Presenters on the use of SMARTBoards in the classroom. Subscribe via email, iTunes, Zune, or XML.

<http://pdtogo.com/smart/>

Getting Smarter with SMARTBoards Blog

New and interesting information related to Smart Board use in education. Shares interactive websites, ideas for activities, on-line tutorials, teacher lesson exchange for the SMARTBoard.

<http://gettingsmarterwithsmartboards.blogspot.com/>

SMARTBoard Lesson Search Engine

A Google supported search specifically for SMARTBoard lessons from k-12 created by Ben Hazzard.

<http://www.google.com/coop/cse?cx=011736901559370873508%3Ah5fojaeqqv0&safe=active>

Teaching With SMARTBoard Video

This video podcast site provides resources for teaching with the SMARTBoard with a 6-12 math emphasis. Videos are approximately 15 minutes in length.

<http://www.ncusd203.org/central/html/what/math/smartboard/>

T4– Jordan School District: Transforming Teaching Through Technology

A website devoted to providing resources to support teachers using technology in the classroom. Links to interactive websites, and lesson activities across the curriculum. (American site).

<http://t4.jordandistrict.org/t4/>

Language Arts

ReadWriteThink

ReadWriteThink, established in April of 2002, is a partnership between the International Reading Association (IRA), the National Council of Teachers of English (NCTE), and the Verizon Foundation. NCTE and IRA are working together to provide educators and students with access to the highest quality practices and resources in reading and language arts instruction through free, Internet-based content.

<http://www.readwritethink.org/>

Starfall.com

Teachers around the world use Starfall.com and Starfall high-quality educational products as an inexpensive way to make the classroom more fun and inspire a love of reading and writing. Starfall is an educational alternative to other entertainment choices for children. Primarily designed for first grade, Starfall is also useful for pre-kindergarten, kindergarten and second grade.

<http://www.starfall.com/>

Storyline Online

Storyline Online is an on-line streaming video program featuring members of the SAG members reading children's books aloud. Each book includes accompanying activities and lesson ideas.

<http://storylineonline.net/>

The Big Writing Timer

A flash tool from Fieryideas.com, the Big Writing Timer allows teachers to set a certain amount of time for independent student writing. Options include a wow word widget (to suggest appropriately leveled vocabulary), four alerts set at different times to help with the self-editing process, and a selection of classical background music. Time is up once the clock runs or the stop button is pressed with “explosive” results.

<http://www.fieryideas.com/flash/BWT.swf>

Mathematics

National Library of Virtual Manipulatives – Utah State University

The National Library of Virtual Manipulatives (NLVM) is an National Science Foundation supported project that began in 1999 to develop a library of uniquely interactive, web-based virtual manipulatives or concept tutorials, mostly in the form of Java applets, for mathematics instruction (K–12 emphasis).

An excellent source of math manipulatives organized by Number & Operations, Algebra, Geometry, Measurement, Data Analysis & Probability, from Pre–K to 12.

<http://nlvm.usu.edu/>

Rainforest Maths – Interactive Math Activities K–6

An Australian based site with free and colourful interactive math exercises for grade k–6. Strands include Numbers & Number Systems, Operations & Calculations, Strategies & Processes, Patterns & Algebra, Measurement, Space & Geometry, Chance & Probability, Data Analysis, and Money. Easy to navigate!

<http://www.rainforestmaths.com/>

NRICH – enriching mathematics

The main NRICH website www.nrich.maths.org publishes free mathematics enrichment resources for pupils of all ages including mathematics problems, games, videos, and articles. Great for developing learning community locally and internationally through the internet. The NRICH Project started in 1996* and is based in both the University of Cambridge’s Faculty of Education and the Centre for Mathematical Sciences.

<http://nrich.maths.org/public/index.php>

Mathwords.com

This website is designed for math students who need an easy-to-use, easy-to-understand math resource all in one place. It is a comprehensive listing of formulas and definitions from beginning algebra to calculus. The explanations are readable for average math students, and over a thousand illustrations and examples are provided.

<http://www.mathwords.com/>

Sciences

Digital Library for Earth Science Education

DLESE is the Digital Library for Earth System Education, a geoscience community resource that supports teaching and learning about the Earth system. It is funded by the National Science Foundation and is being built by a community of educators, students, and scientists to support Earth system education at all levels and in both formal and informal settings.

Resources in DLESE include lesson plans, scientific data, visualizations, interactive computer models, and virtual field trips – in short, any web-accessible teaching or learning material.

<http://www.dlese.org/library/index.jsp>

Zero Footprint Kids Calculator

Ecological footprint survey for students. Provides numbers in Canadian averages and presents information in pie charts and percentages.

<http://www.zerofootprintkids.com/>

Bobbie Bigfoot

Ecological footprint quiz for kids but in American measurements.

<http://www.kidsfootprint.org/>

WorldWide Telescope (Microsoft)

The WorldWide Telescope (WWT) is a Web 2.0 visualization software environment that enables your computer to function as a virtual telescope—bringing together imagery from the best ground and space-based telescopes in the world for a seamless exploration of the universe.

<http://www.worldwidetelescope.org/>

Celestia

Celestia is a free space simulation that lets you explore our universe in three dimensions. Celestia runs on Windows, Linux, and Mac OS X.

<http://www.shatters.net/celestia/>

Stellarium

Stellarium is a free open source planetarium for your computer. It shows a realistic sky in 3D, just like what you see with the naked eye, binoculars or a telescope. It is being used in planetarium projectors. Just set your coordinates and go.

<http://www.stellarium.org/>

Google for Educators

Tools for your Classroom

This site showcases Google's list of web 2.0 tools specifically for use in the classroom. On the site free classroom activities are posted by teachers, as well as downloadable tip posters for students.

<http://www.google.com/educators/tools.html>

Google Earth

Once you download and install Google Earth, your computer becomes a window to anywhere and puts the whole world on a student's computer. It enables users to "fly" from space to street level to find geographic information and explore places around the world. Like a video game and a search engine rolled into one, Earth is basically a 3D model of the entire planet that lets you grab, spin and zoom down into any place on Earth.

<http://earth.google.com>

The link below takes you to a video tutorial on how to use Google Earth.

<http://earth.google.com/tour.html>

Google Earth provides resources for teachers on how to use the application across the curriculum such as Biology, Ecology, Environmental Science, Geology, Global Awareness, History, Humanities, Literature and Mathematics. Check out Google Lit Trips, Google Sky and much more.

http://www.google.com/educators/p_earth.html

This site showcases Google's list of tools specifically for use in the classroom. Free classroom activities are posted on the site, for and by teachers, as well as downloadable tip posters for students.

<http://www.google.com/educators/tools.html>

Multimedia

Media Awareness Network

The Media Awareness Network (MNet), is home to one of the world's most comprehensive collections of media education and Internet literacy resources. A Canadian non-profit organization provides education and resource support for both teachers and parents.

<http://www.media-awareness.ca/english/index.cfm>

Scratch

From MIT, Scratch is a new programming language that makes it easy to create your own interactive stories, animations, games, music, and art -- and share your creations on the web. Scratch is designed to help young people (ages 8 and up) develop 21st century learning skills. As they create Scratch projects, young people learn important mathematical and computational ideas, while also gaining a deeper understanding of the process of design.

<http://scratch.mit.edu/pages/videos>

Glogster

Glogster is an on-line multimedia application whose slogan is "poster yourself". You can mix graphics, photos, videos, music and text into a customized "Glog".

<http://www.glogster.com>

ANIMOTO – Education Program

Animoto is a web application that produces music-style videos using the images and music you choose. Produced in a widescreen format, Animoto videos have the visual energy of a music video and the emotional impact of a movie trailer. Educators are able to sign up for a free account.

<http://biz.animoto.com/education/overview.html>

Sprout Builder

Sprout is the quick and easy way for anyone to build, publish, and manage widgets, mini-sites, mashups, banners and more. Any size, any number of pages. Include video, audio, images and newsfeeds and choose from dozens of pre-built components and web services. Recommended for intermediate students.

<http://sproutbuilder.com/>

Fiery Ideas

Fiery Ideas, UK consultancy, aims to develop simple software that leaves the tricky business of learning in the hands of teachers, but seeks to facilitate this with bright, engaging and exciting software. Some software is free, some must be purchased.

<http://www.fieryideas.com/freebies.php>

BitStrips

Fast, fun way to design on-line comic strips.

<http://www.bitstrips.com/>

JigsawPlanet

JigsawPlanet allows you to create puzzles from you own photos and share them on-line.

<http://www.jigsawplanet.com/>

On-line Collaboration

VoiceThread

A VoiceThread is an online media album that can hold essentially any type of media (images, documents and videos) and allows people to make comments in 5 different ways – using voice (with a microphone or telephone), text, audio file, or video (with a webcam) – and share them with anyone they wish. A VoiceThread allows group conversations to be collected and shared in one place, from anywhere in the world.

<http://voicethread.com/>

Moodle

Moodle is a course management system (CMS) – a free, Open Source software package designed using sound pedagogical principles, to help educators create effective online learning communities. You can download and use it on any computer you have handy (including webhosts), yet it can scale from a single-teacher site to a University with 200,000 students.

<http://moodle.org/>

Photography and Photo Editing Tools

Flickr

Flickr is an on-line photo management and sharing application. It address copyright by allowing users to decide what kind of usage license they want to give their photos. The Creative Commons is a public non-profit that provides an alternative to full copyright. (see creativecommons.org)

<http://www.flickr.com/>

FlickrStorm

FlickrStorm is a better search for Flickr photos.

<http://www.zoo-m.com/flickr-storm/>

SplashUp

Splashup, formerly Fauxto, is a powerful editing tool and photo manager. It is easy to use, works in real-time and allows you to edit many images at once. Splashup runs in all browsers, integrates seamlessly with top photosharing sites, and has its own file format so you can save your work in progress.

<http://www.splashup.com/>

Picnik

Picnik is a photo editing site. It offers many effects, fonts, shapes, and frames. It's fast, easy, and fun.

<http://www.picnik.com/>

Video

YouTube

Founded in February 2005, YouTube is the leader in online video, and the premier destination to watch and share original videos worldwide through a Web experience. YouTube allows people to easily upload and share video clips on www.YouTube.com and across the Internet through websites, mobile devices, blogs, and email.

<http://www.youtube.com/>

TeacherTube

TeacherTube: YouTube for teachers. Our goal is to provide an online community for sharing instructional videos. We seek to fill a need for a more educationally focused, safe venue for teachers, schools, and home learners. It is a site to provide anytime, anywhere professional development with teachers teaching teachers. As well, it is a site where teachers can post videos designed for students to view in order to learn a concept or skill.

<http://www.teachertube.com/>

Audio/Podcast

Audacity

Audacity is free, open source software for recording and editing sounds. It is available for Mac OS X, Microsoft Windows, GNU/Linux, and other operating systems. Relatively straightforward for students to create and edit their own podcasts.

<http://audacity.sourceforge.net/>

Other Web 2.0 Tools

Wikipedia

Wikipedia is a multilingual, Web-based, free content encyclopedia project. The name Wikipedia is a portmanteau (combination of words and their meanings) of the words wiki (a type of collaborative website) and encyclopedia. Wikipedia's articles provide links to guide the user to related pages with additional information. Wikipedia is written collaboratively by volunteers from all around the world. Since its creation in 2001, Wikipedia has grown rapidly into one of the largest reference Web sites attracting at least 684 million visitors yearly by 2008.

<http://www.wikipedia.org/>

Wikispaces.com

Wikispaces lets you create simple web pages that groups, friends, and families can edit together. Feel free to look around, make a new space, get help, or contact us if you have any questions. We've also got a series of brief tours on how to get the most out of Wikispaces. Educators can sign up for a free account (no ads either!).

<http://www.wikispaces.com>

A Core Toolset for Learning 2008

This site suggests free tools for web browsers, media players, email, instant messaging, bookmarking tools, productivity tools, document, PDF tools, mindmapping tools, blogging, text editors, wiki tools, video, podcasting, photo, animation, virtual world tools, etc.

<http://www.c4lpt.co.uk/recommended/toolbox2008.html>

Bookmarking Tools

Diigo

Pronounced as Dee'go. The name "Diigo" is an abbreviation for "Digest of Internet Information, Groups and Other stuff." Diigo is a research and collaborative research tool, and a knowledge-sharing community and social content site. You can highlight, clip and sticky-note any page and then share your findings with others.

<http://diigo.com/>

Del.icio.us

Delicious is a bookmarking web service for storing, sharing, and discovering web bookmarks. Using bookmarklets, you can add bookmarks to your list and categorize them. Can be integrated into your browser for storing, sharing, and discovering web bookmarks

<http://del.icio.us/>

StumbleUpon

StumbleUpon discovers web sites based on your interests, learns what you like and brings you more. A downloadable toolbar that makes browsing easier than using a search engine.

<http://www.stumbleupon.com/>